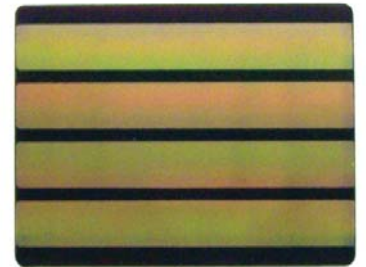
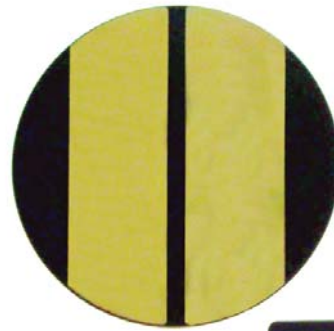


Image Grade Detector



Stripline Microchannel Plates

Photonis' Stripline Microchannel Plates capture high speed sequential images through the use of an electrode strip manufactured on the surface of each piece.

Microchannel Plates are used to detect charged particles in a wide variety of applications including diagnostic imaging in high energy physics research. Stripline Microchannel Plates are equipped with an electrode strip to propagate an electrical field to move in time across the MCP. This provides the ability to sequentially turn on each microchannel as fast as the electrical charge can permeate the surface.



Customized For Your Design

Photonis works with each and every one of our customers to design a detector that will perfectly integrate into their system. Our Stripline Microchannel Plates are image grade detectors equipped with our patented MountingPad technology to reduce warping and cracking while maximizing output. From there, customers can specify pitch, pore, and bias angle in order to achieve the desired results.

Coating Options

As the manufacturer, Photonis is able to engineer our Stripline Microchannel Plates with a variety of coatings including:

- Gold
- Copper
- Nichrome
- Magnesium Oxide
- Copper Iodide
- Potassium Bromide
- Magnesium Flouride

Enabling Nanosecond Gating

Microchannel plates with metal stripline coatings are key components in applications such as x-ray framing cameras, where the image from each soft x-ray channel is produced along a single MCP stripline. The front of the MCP is coated with conducting strips and the backside continuously is coated forming micro-strip transmission lines.

Photonis Technologies S.A.S

Domaine de PELUS
Axis Business Park - Bat E
18 Avenue de Pythagore
33700 Merignac, France

T +33 (0)556 16 40 50
F +33 (0)556 16 40 62
E science@photonis.com
W www.photonis.com

Photonis USA, Inc.

660 Main Street
Sturbridge Business Park
P.O. Box 1159, Sturbridge, MA 01518
United States of America

T +1 (508)347 4000
F +1 (508)347 3849
E science@photonis.com
W www.photonis.com

www.photonis.com

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